

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	306	239/85.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/11 09:41
L2	265	239/79.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/11 09:39
L3	645	239/589.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/11 09:42
L4	399	239/591.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/11 09:42
L5	1636	239/600.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/11 09:42
L6	923	239/597.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/11 09:42
L7	262	239/598.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/11 09:40
L8	1133	239/601.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/11 09:40
L9	85	239/593.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/11 09:43
L10	119	239/594.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/11 09:43

## EAST Search History

L11	258	239/390.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/11 09:43
L12	78	118/311.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/11 09:41
L13	151	285/123.12.ccls.	USPAT	OR	ON	2006/09/11 09:41
L14	150	901/45.ccls.	USPAT	OR	ON	2006/09/11 09:41
S1	256	239/79.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/30 16:13
S2	304	239/85.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/01 08:45
S3	597	239/589.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/30 15:01
S4	1574	239/600.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/30 15:01
S5	393	239/591.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/30 15:01
S7	273	118/310.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/30 15:02
S8	76	118/311.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/30 16:28
S9	85211	"118".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/30 15:02

## EAST Search History

S10	907	239/597.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/30 15:02
S12	252	239/598.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/30 15:02
S15	151	"6,328,224" "5,853,126" "5,720,436" "5,433,387" "5,358,182" "5,353,995" "4,921,172" "4,896,384" "4,890,190" "4,879,137" "4,825,807"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/30 15:10
S16	22	("6,328,224" "5,853,126" "5,720,436" "5,433,387" "5,358,182" "5,353,995" "4,921,172" "4,896,384" "4,890,190" "4,879,137" "4,825,807").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/30 15:13
S17	14	("1,209,653" "62140669" "01315361" "06094166" "03169361").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/30 15:16
S18	29	("4,802,625" "4,798,340" "4,788,933" "4,785,995" "4,779,805" "4,726,521" "4,685,620" "4,598,870" "4,580,727" "4,520,754" "4,518,119" "03221166" "60151554" "63116776" "58124560" "311823").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/30 15:36
S19	34	("4,505,430" "RE.31,867" "4,450,785" "4,447,008" "4,422,577" "4,402,991" "4,381,079" "4,360,155" "4,350,304" "4,323,197" "4,216,915" "1274814").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/30 15:41
S20	30	("4,215,818" "4,214,708" "4,171,100" "4,169,560" "4,135,667" "4,114,564" "4,066,041" "4,039,145" "4,037,561" "3,964,683" "3,913,523").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/30 15:53
S21	37	("3,843,054" "3,698,636" "3,684,174" "3,610,528" "3,589,607" "3,578,997" "3,575,344" "3,536,514" "3,233,655" "3,102,062" "2,955,565").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/30 15:55
S22	5	("2759763").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/30 15:56

## EAST Search History

S23	1146	S10 or S12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/30 16:14
S24	899	S2 or S3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/30 16:40
S25	32	S23 and S24	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/30 16:17
S26	63	S24 and S9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/30 16:18
S27	29	S4 and S24	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/30 16:28
S28	20	("3521125"   "3659151"   "3673463"   "3745413"   "3895261"   "4020393"   "4039145").PN. OR ("4135667").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/31 08:05
S29	418	expander and reducer	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/31 08:05
S30	304	239/85.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 08:06
S31	597	239/589.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/15 09:17
S32	85211	"118".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 08:06
S33	899	S30 or S31	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 08:06

## EAST Search History

S34	63	S33 and S32	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 08:06
S35	0	S29 and S34	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 08:07
S36	1	S29 and S32	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 08:07
S37	1109	239/601.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 08:32
S38	1	S29 and S37	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 08:32
S39	150305	expand\$3 same reduce\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 08:33
S40	34	S39 and S37	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 08:41
S41	35	S39 and S33	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 08:44
S42	907	239/597.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 08:44
S43	252	239/598.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 08:44

## EAST Search History

S44	21	S39 and (S42 or S43)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 08:44
S45	907	239/597.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 11:30
S46	1874	118/308.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 12:30
S47	150305	expand\$3 same reduce\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 12:30
S48	28	S46 and S47	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 13:10
S49	113	239/594.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 13:39
S50	81	239/593.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 14:44

## EAST Search History

S51	54	(US-20030234301-\$ or US-20040124256-\$ or US-20050023385-\$ or US-20040164173-\$ or US-20020088881-\$ or US-20010030250-\$).did. or (US-3578997-\$ or US-4131236-\$ or US-4135667-\$ or US-4169560-\$ or US-4402991-\$ or US-4476807-\$ or US-4520754-\$ or US-4802625-\$ or US-4869936-\$ or US-6601783-\$ or US-6726130-\$ or US-6845929-\$ or US-6003789-\$ or US-5531590-\$ or US-4185706-\$ or US-6845928-\$ or US-6739529-\$ or US-6444081-\$ or US-6336708-\$ or US-6042019-\$ or US-5975996-\$ or US-5961856-\$ or US-5931392-\$ or US-5431346-\$ or US-5125582-\$ or US-4813611-\$).did. or (US-6722584-\$ or US-6651899-\$ or US-6502767-\$ or US-5881958-\$ or US-5704825-\$ or US-5616067-\$).did. or (US-3536514-\$ or US-3490696-\$ or US-3353405-\$ or US-3299937-\$ or US-2583726-\$ or US-2175160-\$ or US-2978189-\$ or US-2427545-\$ or US-2724583-\$).did. or (JP-63081824-\$). did. or (CH-579951-\$ or BE-852838-\$ or DE-3005677-\$ or DE-3608426-\$ or DE-3608415-\$ or DE-19758158-\$).did.	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2005/08/31 13:46
S52	1344921	seal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 13:47
S53	12	S52 and S51	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 13:47
S54	253	285/123.12.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 14:49
S55	405	285/95.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 15:01
S56	1246	quick adj disconnect.ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 15:01

## EAST Search History

S57	395	S52 and S56	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 15:02
S58	33	("0489107"   "0653143"   "0913144"   "1065515"   "2689140"   "3055684"   "3499655"   "3758137").PN. OR ("3831984").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/31 15:10
S59	3	("653143").URPN.	USPAT	OR	ON	2005/08/31 15:15
S60	0	"285""."73".ccls.	USPAT	OR	ON	2005/08/31 15:16
S61	0	"285.73".ccls.	USPAT	OR	ON	2005/08/31 15:16
S62	65	"285/73".ccls.	USPAT	OR	ON	2005/08/31 15:16
S63	11	("0489107"   "0894900"   "1248558").PN. OR ("4523778").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/31 15:17
S64	121758	robot	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/01 08:45
S65	39804	sprayer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/01 08:46
S66	8722467	connect\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/01 08:46
S67	15380	quick adj connect\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/01 10:19
S68	271	S67 and S64	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/01 08:48
S69	3	S68 and S65	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/01 08:48
S70	1248	quick adj disconnect.ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/01 08:48



## EAST Search History

S71	8	S70 and S64	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/01 08:49
S72	305402	hose	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/01 08:49
S73	209	S72 and S70	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/01 08:53
S74	511	S64 and S65	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/01 08:57
S75	411	S74 and S66	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/01 08:57
S76	5	S74 and (quick same disconnect)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/01 08:58
S77	17917	quick same disconnect	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/01 08:59
S78	334	S64 and S77	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/01 08:59
S79	285	S77 and S65	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/01 09:33
S80	2	"6105886".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/01 09:33

## EAST Search History

S81	23	("2473035"   "2858798"   "2922584"   "3556400"   "4214708"   "4518119"   "4589597"   "4896834"   "4927081"   "4936510"   "4955960"   "5100057"   "5163625"   "5353995"   "5582347"   "5632448").PN. OR ("6105886").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/01 09:33
S82	23	("2473035"   "2858798"   "2922584"   "3556400"   "4214708"   "4518119"   "4589597"   "4896834"   "4927081"   "4936510"   "4955960"   "5100057"   "5163625"   "5353995"   "5582347"   "5632448").PN. OR ("6105886").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/01 09:35
S83	14	("3393662"   "3418971"   "3442688"   "4037561"   "4215818").PN. OR ("4402991").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/01 09:45
S84	17	("1751719"   "2879003"   "3906672"   "4134542"   "4253610"   "4478368"   "4631871"   "5319894"   "5421776"   "5484325"   "5545073").PN. OR ("5975996").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/01 09:48
S85	213	901/45.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/01 10:21
S86	83322	"285".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/01 10:20
S87	0	S85 and S86	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/01 10:21
S88	1	S65 and S85	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/01 10:21
S89	231	901/43.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/01 10:22
S90	4	S89 and S86	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/01 10:21

## EAST Search History

S91	2	"5704825".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/09 11:18
S92	2	"6105886".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/09 11:18
S93	306	239/85.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/15 09:21
S94	621	239/589.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/15 09:16
S95	1603	239/600.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/15 09:21
S96	397	239/591.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/15 09:16
S97	275	118/310.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/15 09:22
S98	915	239/597.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/15 09:17
S99	255	239/598.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/15 09:22
S100	260	239/79.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/15 09:17

## EAST Search History

S101	621	239/589.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/15 09:17
S102	65	"285/73".ccls.	USPAT	OR	ON	2006/03/15 09:19
S103	1120	239/601.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/15 09:19
S104	82	239/593.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/15 09:19
S105	116	239/594.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/15 09:19
S106	251	239/390.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/15 09:19
S107	119	239/397.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/15 09:19
S108	77	118/311.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/15 09:19
S109	226	285/95.ccls.	USPAT	OR	ON	2006/08/24 10:10
S110	151	285/123.12.ccls.	USPAT	OR	ON	2006/03/15 09:20
S111	149	901/45.ccls.	USPAT	OR	ON	2006/03/15 09:20
S112	1	"3187682".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/22 14:09
S113	0	"992156".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/22 14:10
S114	3	"992156".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/22 14:10

## EAST Search History

S115	0	"992156".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/22 14:11
S116	5	"992156"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/22 14:11
S117	0	"992156".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/22 14:11
S118	0	"992156".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/22 14:11
S119	529	16/430.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/22 15:13
S120	643	239/589.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/24 10:11
S121	398	239/591.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/24 10:12
S122	923	239/597.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/24 10:12
S123	264	239/79.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/24 10:09
S124	643	239/589.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/24 10:12
S125	1132	239/601.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/24 10:12
S126	84	239/593.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/24 10:12

## EAST Search History

S127	119	239/594.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/24 10:12
S128	119	239/594.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/24 10:12
S129	257	239/390.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/24 10:12
S130	123	239/397.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/24 10:12
S131	78	118/311.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/24 10:12
S132	227	285/95.ccls.	USPAT	OR	ON	2006/08/24 10:10
S133	151	285/123.12.ccls.	USPAT	OR	ON	2006/08/24 10:13
S134	150	901/45.ccls.	USPAT	OR	ON	2006/08/24 10:10
S135	261	239/598.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/24 10:11
S136	306	239/85.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/24 10:11
S137	276	118/310.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/24 10:11
S138	1635	239/600.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/24 10:11
S139	12	("1195915"   "3799195"   "4030969"   "4210166"   "5061406"   "5171090"   "5338113"   "5857773").PN. OR ("6523991").URPN.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/08 12:46

# EAST Search History

S140	12	("2672187"   "3194191"   "3415450"   "4817342"   "5302414"   "5597458"   "5795626"   "5901908"   "6502767").PN. OR ("6722584").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/08 12:25
S141	11	("4478368"   "4545157"   "4648215"   "4817874"   "5302414"   "5597458"   "5794858"   "5795626"   "5901908").PN. OR ("6502767").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/08 12:26
S142	1	("2002/0088881").URPN.	USPAT	OR	ON	2006/09/08 12:26
S143	73	(US-20030234301-\$ or US-20040124256-\$ or US-20050023385-\$ or US-20040164173-\$ or US-20010030250-\$ or US-20020088881-\$ or US-20010017466-\$ or US-20050067837-\$).did. or (US-5881958-\$ or US-4135667-\$ or US-4169560-\$ or US-5961856-\$ or US-4402991-\$ or US-4520754-\$ or US-4802625-\$ or US-6845929-\$ or US-6726130-\$ or US-5125582-\$ or US-5931392-\$ or US-4813611-\$ or US-4476807-\$ or US-3578997-\$ or US-5704825-\$ or US-5616067-\$ or US-4131236-\$ or US-6651899-\$ or US-4869936-\$ or US-6739529-\$ or US-6601783-\$ or US-6003789-\$ or US-6845928-\$ or US-5431346-\$ or US-6444081-\$ or US-5531590-\$).did. or (US-6336708-\$ or US-6042019-\$ or US-5975996-\$ or US-4185706-\$ or US-6722584-\$ or US-6502767-\$ or US-4615542-\$ or US-4580816-\$ or US-5890517-\$ or US-3831984-\$ or US-3873138-\$ or US-0653143-\$ or US-1248558-\$ or US-4591192-\$ or US-4583769-\$ or US-2204392-\$ or US-6293857-\$ or US-4659018-\$ or US-4809885-\$ or US-3187682-\$ or US-4817342-\$ or US-5302414-\$).did. or (US-2427545-\$ or US-3536514-\$ or US-2175160-\$ or US-3490696-\$ or US-3353405-\$ or US-3299937-\$ or US-2583726-\$ or US-2978189-\$ or US-2724583-\$).did. or (JP-63081824-\$).did. or (DE-3005677-\$ or DE-3608415-\$ or DE-3608426-\$ or DE-19758158-\$ or CH-579951-\$ or BE-852838-\$ or EP-459892-\$).did.	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2006/09/08 12:26
S144	0	("2004/0124256").URPN.	USPAT	OR	ON	2006/09/08 12:29
S145	21	("3009441"   "3982157"   "4241878"   "4347984"   "4611762"   "4675780"   "4744181"   "4843770"   "4870535"   "5050805"   "5109636"   "5188151"   "5301509"   "5473903"   "5477993"   "5571335"   "5660580"   "5795214"   "6105886"   "6276618").PN. OR ("6739529").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/08 12:29

## EAST Search History

S146	19	("1751719"   "2879003"   "3906672"   "4134542"   "4253610"   "4478368"   "4631871"   "5319894"   "5421776"   "5484325"   "5545073").PN. OR ("5975996").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/08 12:30
S147	19	("0801403"   "2340130"   "2621446"   "2666279"   "3362109"   "3481080").PN. OR ("3906672").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/08 12:31
S148	13	("4817342"   "5390450"   "5545073").PN. OR ("5704825").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/08 12:33
S149	10	("4185706"   "4391339"   "4813611"   "5125582").PN. OR ("5431346").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/08 12:33
S150	31	("0409751"   "0998762"   "2290979").PN. OR ("4817342").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/08 12:35
S151	26	("3424386"   "4080762"   "4125969"   "4389820"   "4540121"   "4545157"   "4545317"   "4555872"   "4707952"   "4815241"   "4817342"   "5184427"   "5365699"   "5390450"   "5405283"   "5514024"   "5545073"   "5601478"   "5616067"   "5681206"   "5692682"   "6077152").PN. OR ("6283833").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/08 12:36
S152	20	("0773665"   "2594735"   "3994097").PN. OR ("4815241").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/08 12:38



# EAST Search History

S153	278	("0398456"   "0812232"   "1157092"   "1526179"   "1583363"   "1925787"   "20020166593"   "20030094411"   "20040035770"   "20040178132"   "20050098497"   "2178898"   "2211795"   "2331518"   "2361150"   "2413102"   "2422522"   "2424654"   "2504678"   "2563002"   "2653801"   "2717195"   "2751257"   "2857202"   "2881800"   "2888191"   "2946293"   "2982082"   "2992084"   "3031127"   "3099965"   "3123285"   "3200764"   "3257180"   "3271304"   "3298669"   "3388037"   "3467574"   "3473787"   "3502103"   "3507626"   "3547409"   "3643688"   "3644170"   "3689237"   "3768962"   "3774846"   "3799195"   "3826279"   "3847375"   "3993097"   "4010551"   "4019983"   "4041981"   "4050677"   "4077612"   "4087493"   "4097026"   "4109983"   "4123800"   "4210166"   "4210534"   "4217313"   "4218012"   "4224158"   "4231383"   "4280969"   "4281592"   "4320541"   "4333263"   "4333833"   "4340429"   "4344752"   "4416610"   "4430251"   "4460471"   "4474477"   "4537682"   "4569635"   "4617861"   "4620929"   "4639340"   "4643582"   "4664147"   "4673006"   "4688945"   "4721126"   "4724272"   "4738541"   "4761077"   "4765373"   "4781467"   "4820052"   "4845192"   "4858519"   "4861352"   "4867918"   "4931225"   "4995980"   "5081954"   "5171090"   "5222525"   "5253677"   "5300022"   "5322222"   "5338113"   "5348653"   "5403522"   "5452955"   "5492654"   "5591341"   "5647983"   "5664733"   "5670046"   "5693226"   "5705072"   "5758691"   "5762416"   "5766454"   "5769572"   "5775443"   "5778823"   "5796798").PN. OR ("5851398"   "5857773"   "5862829"   "5863128"   "5893641"   "5894995"   "5927338"   "5931579"   "5951922"   "5961831"   "5965016"   "5974338"   "5976378"   "5983193"   "6012492"   "6123841"   "6146531"   "6159364"   "6170978"   "6196269"   "6283833"   "6297033"   "6331300"   "6453926"   "6471489"   "6523991"   "6730226").PN. OR ("1195915"   "3799195"   "4030969"   "4210166"   "5061406"   "5171090"   "5338113"   "5857773"   "6623154"   "6974279"   "7025883").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/08 12:46
S154	13	("1195915"   "2321483"   "2353865"   "3257180").PN. OR ("5129412").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/08 12:54

## EAST Search History

S155	207	reducer same expander	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/08 12:55
S156	27	reducer same expander and coating	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/08 12:54
S157	69	("2759763" "2955565" "3102062" "3233655" "3536514" "3575344" "3578997" "3589607" "3610528" "3684174" "3698636" "3843054" "3913523" "3964683" "4037561" "4039145" "4066041" "4114564" "4135667" "4169560" "4171100" "4214708" "4215818" "4216915" "4323197" "4350304" "4360155" "4381079" "4402991" "4422577" "4447008" "4450785" "4505430" "4518119" "4520754" "4580727" "4598870" "4685620" "4726521" "4779805" "4785995" "4788933" "4798340" "4802625" "4825807" "4879137" "4890190" "4896384" "4921172" "5353995" "5358182" "5433387" "5704825" "5720436" "5853126" "6105886" "6328224" "6726130" "RE31867").PN.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/08 13:00